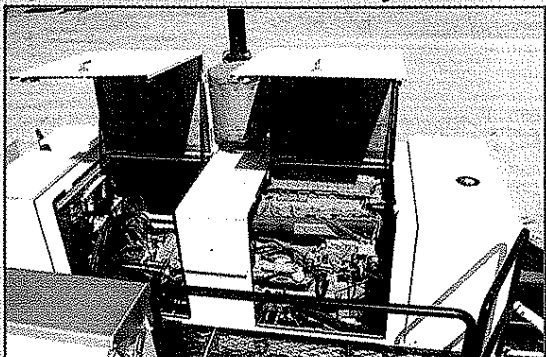


Success is Found in the Details

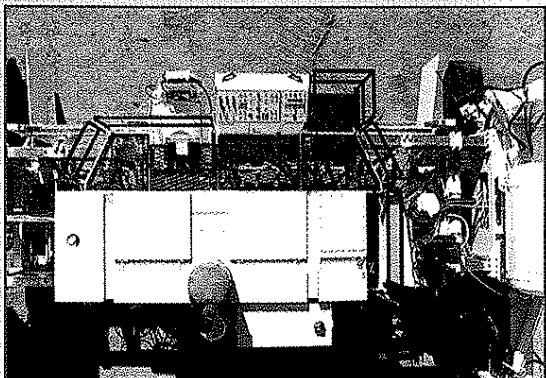
Operator Comfort & Safety



All the latest techniques in noise and heat suppression are incorporated into the power unit design with the goal of making the S850 the quietest and coolest slipform paver on the market today.

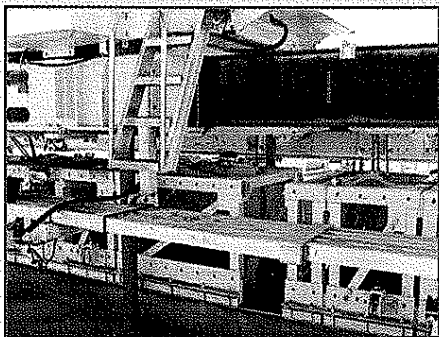
- ◆ Gull wing fiberglass doors and radiator housing
- ◆ Double vibration isolation
- ◆ Special spiral exhaust silencer with heat blanket
- ◆ Special radiator/heat exchanger with pusher fan to evacuate heat and noise from the power unit

Operator Visibility



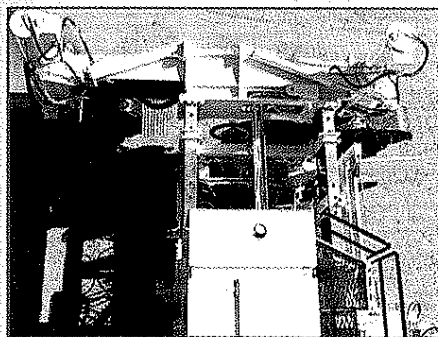
The operator is provided with an unobstructed view of the area in front of the paver, down through the operator platform, and into the liquification hopper. Removable deck sections are provided.

Paving Kit Width Changes



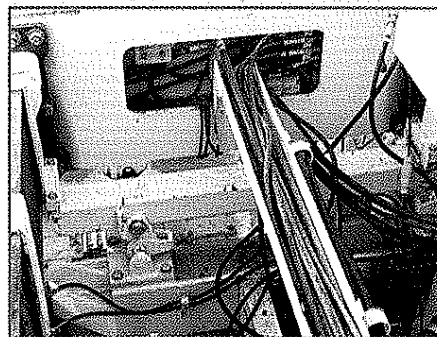
The width of the paving kit can be changed in a few hours. There is no need to remove the paving kit or front tie bar inserter to change width when using the simple support system provided with the machine.

Telescopic Hose / Electrical Trays

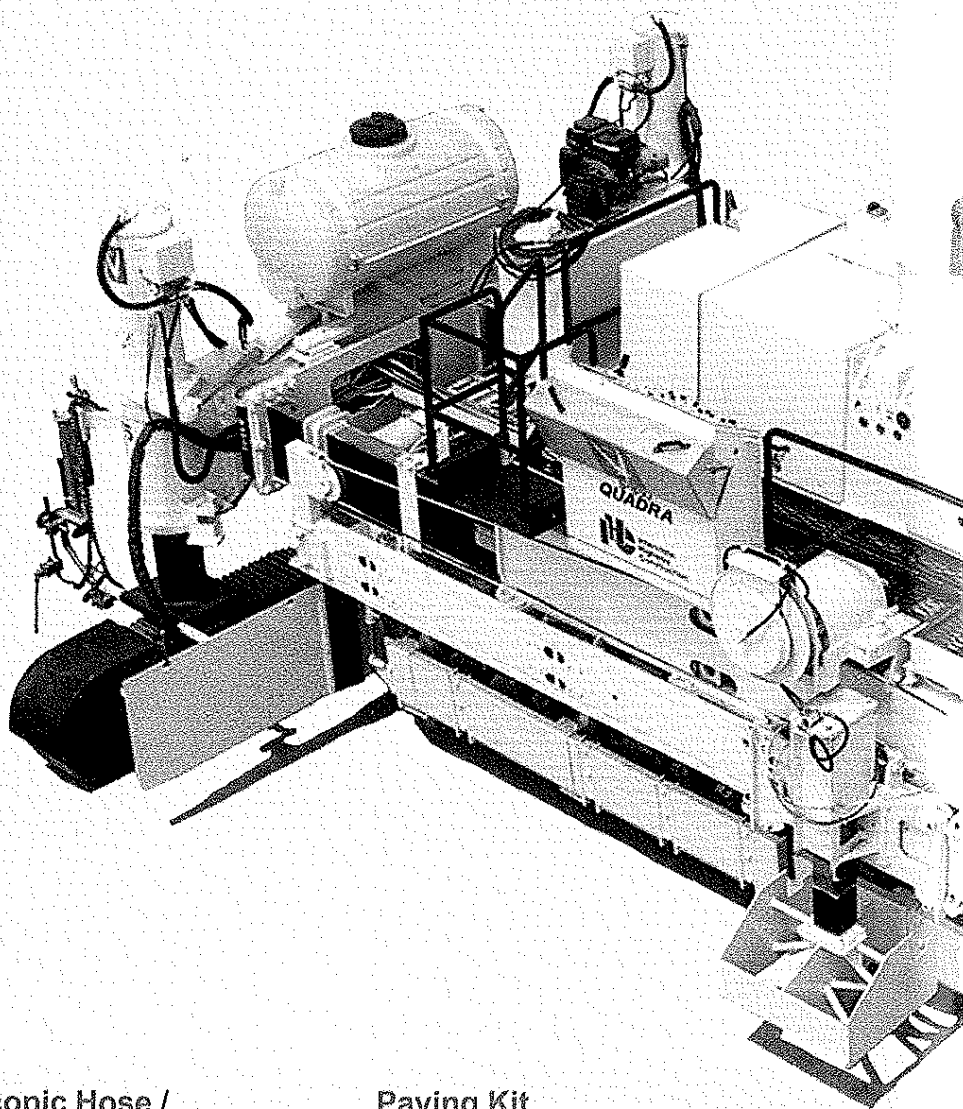


The telescopic hose/electrical trays are effective for the entire range of paving widths to keep hoses and electrical cables neat and out of the way of harm.

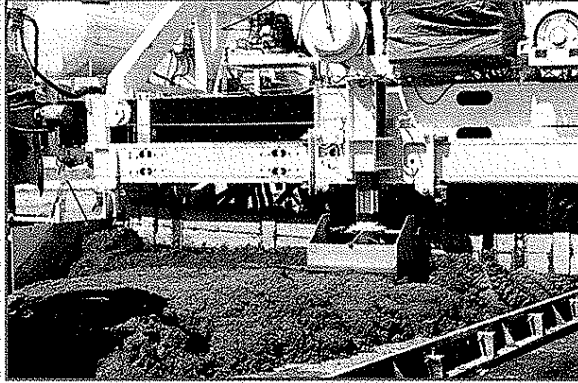
Paving Kit Support System



The paving kit can be supported anywhere along the tractor frame extensions. The uniquely designed locking hooks allow them to be swung out of the way while walking the tractor over the top of the paving kit.



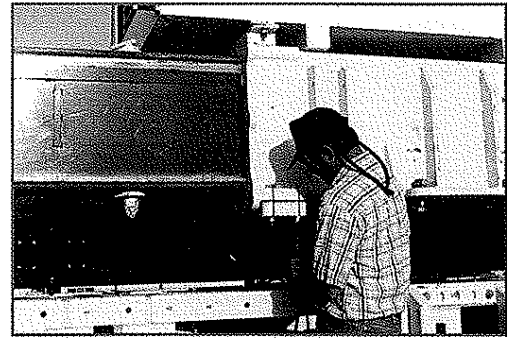
Spreader Plow



The powerful Spreader Plow System can move more concrete, quicker and more efficiently than any spreader auger system. The telescopic plow blade is designed to carry material to or from the corners of the machine. The plow system eliminates the need for a gearbox and center hanger bearing associated with augers which impedes the flow of concrete to the corners of the liquification hopper.

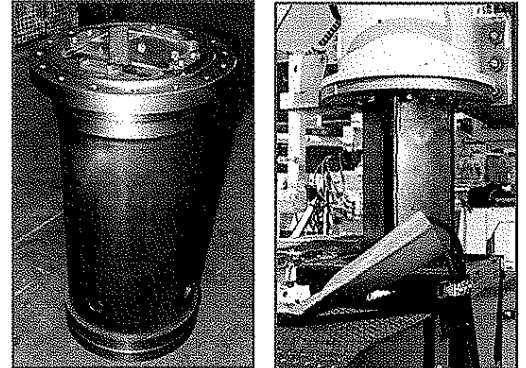
Structural Integrity

Tractor Frame



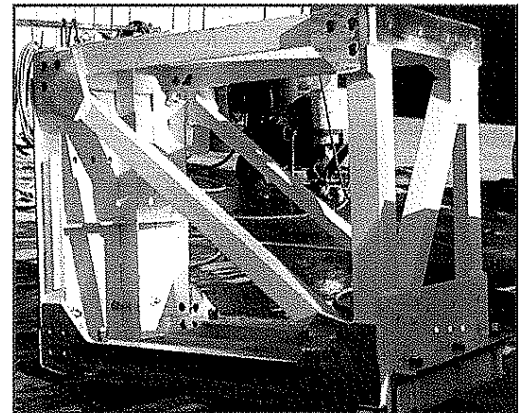
- ◆ The tractor center module is reinforced in all high stress areas with thick reinforcing plate.
- ◆ "Through," non-tapped holes are used for all structural connections between the bolsters and the tractor frame and for the clamping plates.
- ◆ The male telescoping frame members are fabricated with heavy plates on the top and bottom cords to resist the crushing force of the clamping plates and to reduce stress.

Jacking Columns Leg Barrels



- ◆ G&Z's square-to-round style jacking columns allow the most positive steering control in the industry with built-in replaceable bronze wearing parts that prevent sticking.
- ◆ Male leg barrels are provided with hard, 370/420 Brinell wear strips on all four sides.

Paving Kit Section



- ◆ Thick plate bolting connections are milled square and flat. Bolt holes are precision drilled to insure sections can be interchanged and lined up easily.
- ◆ Paving kit truss section bottoms are milled flat so the bolt-on pan skins of the paving kit can be replaced in the future at a minimum cost.
- ◆ Each paving kit truss section is provided with a tool bar front and rear so bolt-on items may be relocated easily in small increments.



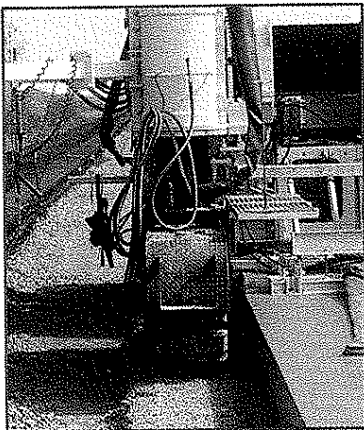
**GUNTERT
& ZIMMERMAN**

Evolutionary Features...

Exceptional Paving Performance

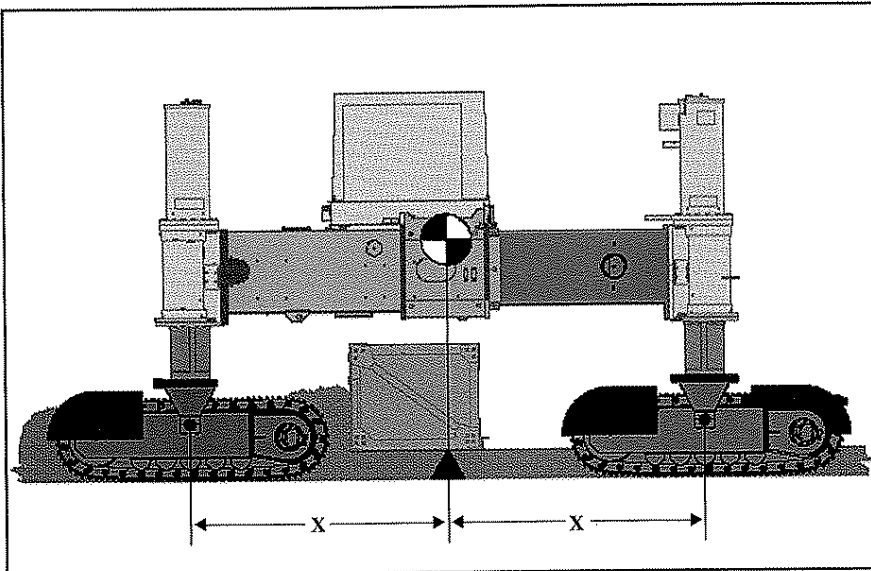
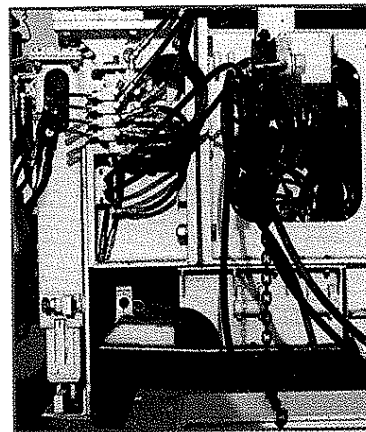
Narrow Profile Design

The narrow profile design allows the contractor to pave closer to utility poles, trees, barrier walls and other obstructions. No part of the paver extends beyond the edge of pavement by more than 29 3/4" (756mm) with the exception of the sensors and their support arms. With the standard 16" (406mm) wide grousers, the distance from the edge of pavement to the outside of the grouser is 25" (635mm).



Edge Overbuild / Fine Width Adjustment

The terminal sections of the paving kit are provided with removable shim packs so the paving width can be fine tuned for minor width adjustments. The terminal pan sections are provided with edge overbuild adjustment to help compensate for edge slump, especially on thicker airport slabs. The terminal pans can be quickly removed and replaced with integral curb and gutter sections.



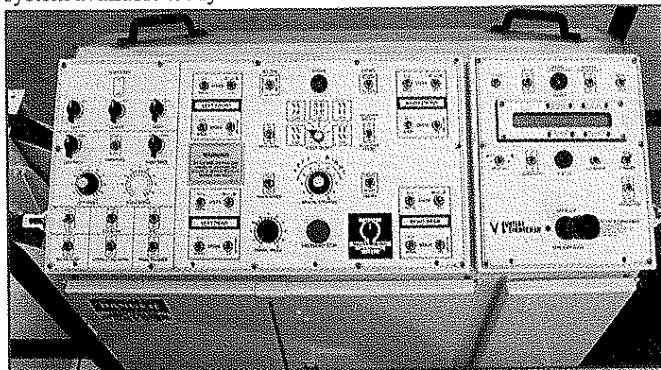
Weight / Balance / Power

The S850 has its weight in all the right places. It has the weight of a mainline slipform paver and the agility of a midsize machine. The machine's center of gravity and the rear of the slipform conforming pan are almost perfectly centered between the front and rear crawler tracks.

A 230HP (172kw) or optional 300HP (223kw) diesel engine powers high quality and efficient piston pumps. This insures that the S850 has more than ample power. This optimization of weight, balance and power offers the best opportunity for high production paving and exceptionally smooth paving results.

Networked Microcontroller System

A Networked Microcontroller System makes the S850 Slipform Paver the easiest machine on the market to maneuver. This system is also the heart of the most accurate and reliable elevation and steering control system available today.

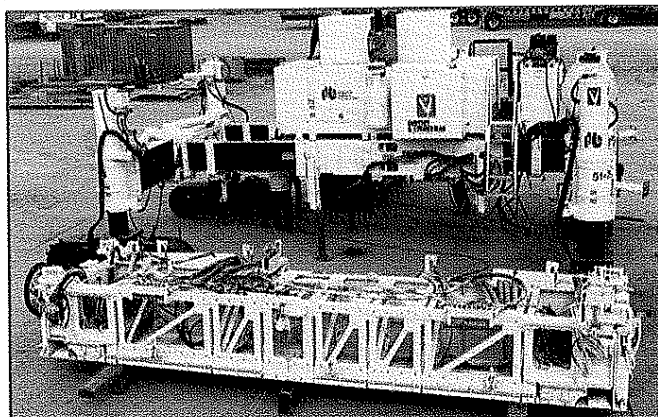


The system has self-diagnostic capabilities including the ability to warn the operator of:

- ◆ Sensor off the wire
- ◆ Sticking jacking column
- ◆ Electrical short
- ◆ Malfunctioning sensor

Uniframe Paving Kit Design

The Paving Kit is a deep section, latticework frame that is rigid enough to span the maximum design width without the center of the paving kit being tied to the tractor frame.



This paving kit design offers the following advantages:

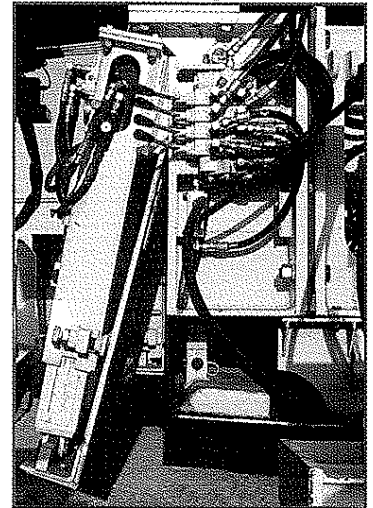
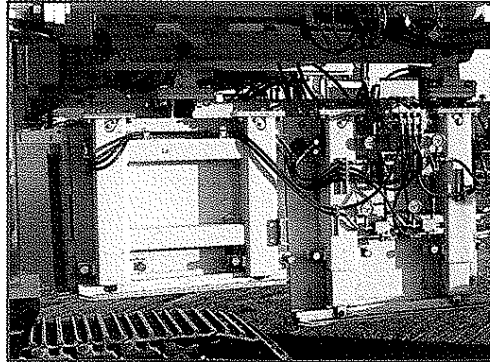
- ◆ Fewer bolts per splice allow rapid paving width change.
- ◆ A tool bar / bolting strip is provided for all attachments.
- ◆ Trailing edge of the slipform pan requires no adjustment.
- ◆ Space is available for a front mounted Tie Bar Insertor.

Optional Equipment

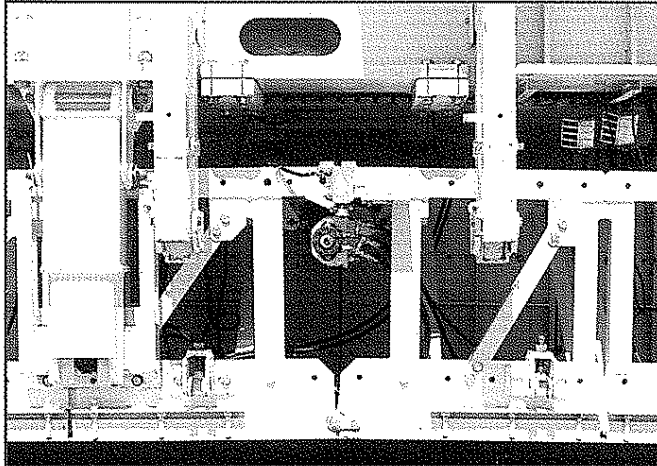
- ◆ Keyway Formers
- ◆ Inboard or outboard molds with false sideforms
- ◆ Integral curb and gutter molds
- ◆ Computerized crown control
- ◆ Final Finisher
- ◆ Spreader Plow Autocycle
- ◆ Tamper Bar
- ◆ Additional 200 Gal. (757L) water tank
- ◆ Rear mounted Compact Dowel Bar Inserter System
- ◆ Side, front or rear Tie Bar Inserter
- ◆ Sideform extensions for thicker concrete slabs
- ◆ High pressure water sprayer
- ◆ Urethane grouser pads

Split Guillotine Sideform / Sideform Open-Close System

The front and rear portions of the guillotine sideforms are designed to operate independently. The rear portion can be hydraulically winged out as much as 15° to simplify morning starts and allow easy access to the edge overbuild for cleaning.



Crown Profile



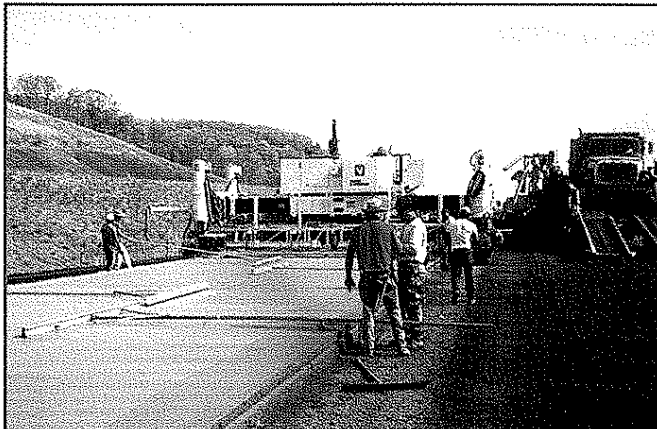
The paving kit crowning section is provided with a hydraulic motor driven, dual screw jack system that holds the crown position without drift. There is no structural connection required between the crown section and the tractor frame. The paver operator is provided with a digital readout of the crown angle at the operator console.

90° Steering



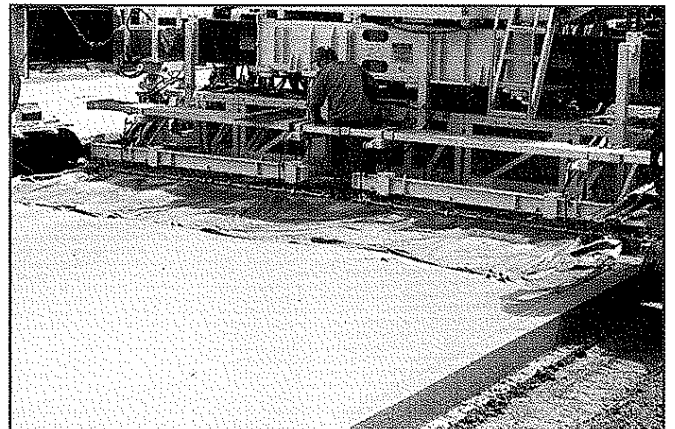
The operator can remotely rotate the crawler tracks 90° to the direction of travel and walk the machine sideways. This feature greatly enhances jobsite maneuverability and minimizes hand pours. The machine has limited steering ability when in the 90° steering mode.

Triple Cross Slope Control



G&Z's patented Triple Cross Slope Control System has been used successfully at widths up to 26' (7925mm). The cross slope system is also capable of computer controlled "slope transition adjustment" over a pre-programmed distance.

Trailing Finishing Pan with Edgers

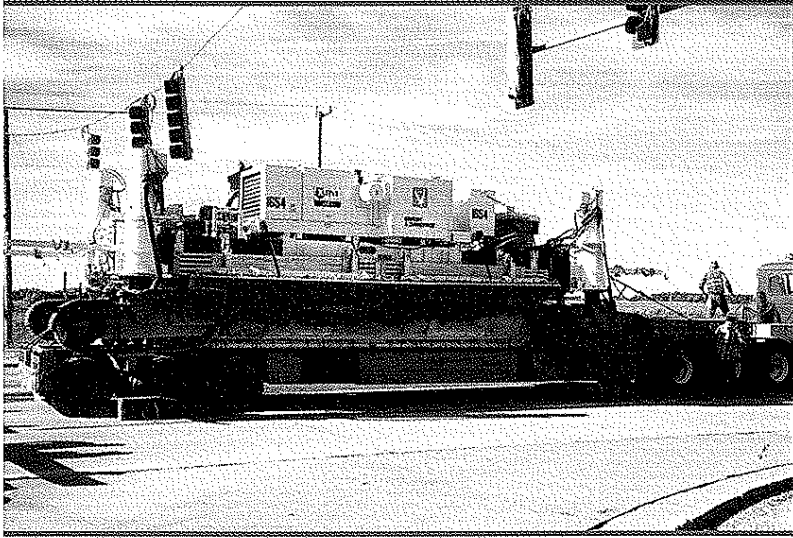


The Trailing Finishing Pan System with edger sideforms gives the slab a superior finish with sharp edges. The trailing finishing pan may be hinged up, along with the telescopic rear walkway for transport.

S850

G&Z's S850 QUADRA Slipform Paver...

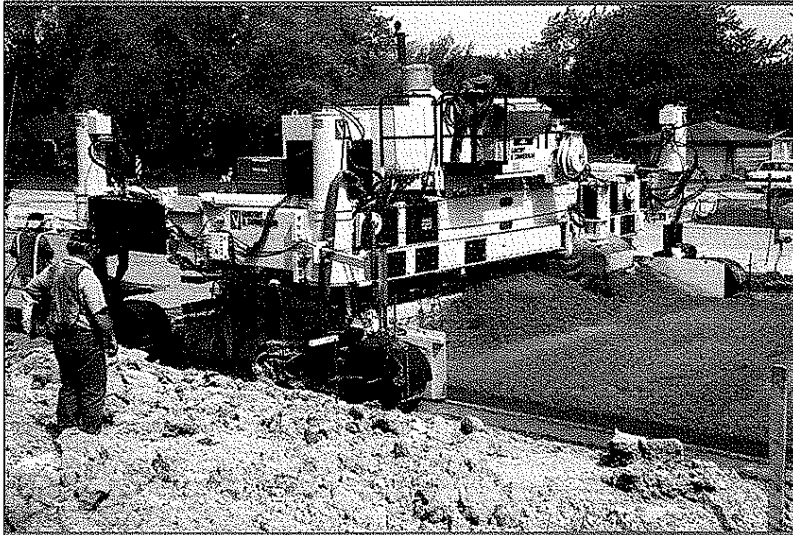
gives you the competitive edge in today's market.



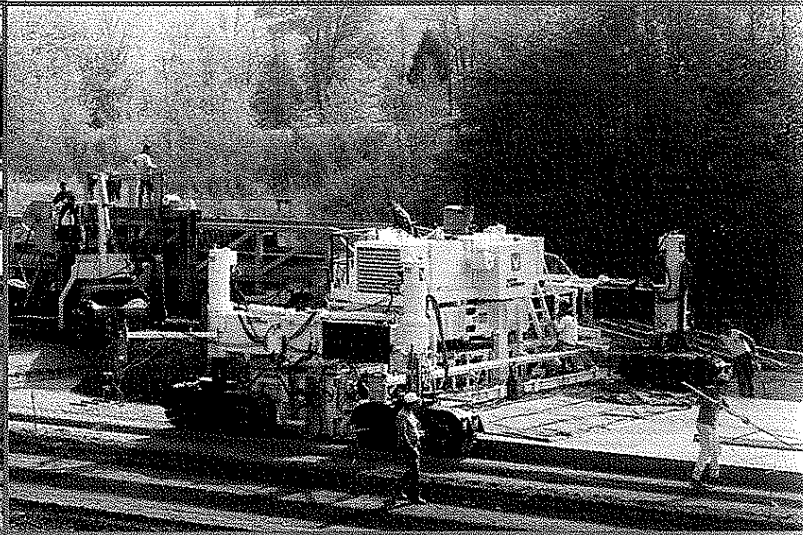
S850 QUADRA, with paving kit, transported in one piece at a width under 12' (3.5M) wide. The trailing finishing pan and rear walkway are hinged up.



High production airport paving at 25' (7620 mm) wide, 16" (406mm) thick. The S850 is capable of producing clean, crisp edges.



S850 paving a residential street with tight clearances. Paving width is 24' (7315mm) wide.



High production highway paving at 26' (7925mm) wide using G&Z's patented Triple Cross Slope Control.

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